

Please type a plus sign (+) inside this box

PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO
(Modified by BSTZ 6/30/99)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Sheet	1	of	1	Application Number	09/710,579
				Filing Date	November 10, 2000
				First Named Inventor	Mark Alan Erickson, et al.
				Group Art Unit	1743 2642
				Examiner Name	Unassigned Bing Bui
				Attorney Docket Number	001340P083

U.S. PATENT DOCUMENTS

Examiner Initials *	U.S. Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Filing Date if Appropriate
		Number				
B		5,887,032		Cioffi	03/23/1999	09/03/1996
B		5,995,566		Rickard et al.	11/30/1999	10/28/1996
B		6,055,297		Terry	04/25/2000	08/02/1996

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No
	Office or Country	Number	Date			

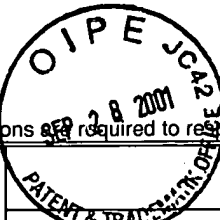
OTHER DOCUMENTS

Examiner Initials *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (if known).	Translation? Yes/No

Examiner Signature	<i>[Signature]</i>	Date Considered	G 16 04
-----------------------	--------------------	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box



Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute For Form 1449A/PTO (Modified 5-19-2000)</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>	<i>Complete if Known</i>	
	Application No	09/710,579 #6
	Filing Date	November 10, 2000
	First Named Inventor	Mark Alan Erickson et al.
	Group Art Unit	2642 1743
	Examiner Name	BING BUI Unassigned
Sheet 1 of 9	Attorney Docket Number 001340.P083	

U.S. PATENT DOCUMENTS				
Examiner Initials*	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication Cited Document MM-DD-YYYY	Filing date if Appropriate
B	6,195,594	Shah et al.	February 27, 2001	June 30, 1999
B	5,880,959	Shah et al.	March 9, 1999	November 25, 1997
B	6,230,062	Shah	May 8, 2001	June 30, 1999

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No
	Office or Country	Number	Date			

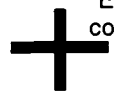
OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
Examiner Initials*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), publisher, city and/or country where published (if title of the item known). (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s).	Translation? Yes/No
B	LENNART LJUNG, IEEE Transactions on Automatic Control, Vol. AC-23, No. 5, October 1978, "Convergence Analysis of Parametric Identification Methods", pp 770-783.	No
B	SERGIO VERDU, Cambridge University Press, "Multiuser Detection", 1998, pp 1-26, 56-66, 154-175, 384-387.	No
B	GUANGHAN XU et al., IEEE Transactions on Signal Processing, Vol. 43, No. 12, December 1995, "A Least Squares Approach to Blind Channel Identification", pp 2982-2993.	No
B	ALEXANDRA DUEL-HALLEN et al., IEEE Transactions on Communications, Vol. 37, No. 5, May 1989, "Delayed Decision-Feedback Sequence Estimation", pp 428-436.	No

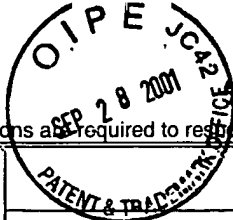
Examiner <i>Bing Bui</i>	Date Considered 6/16/04	RECEIVED SEP 7 2001
--------------------------	-------------------------	------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute For Form 1449A/PTO (Modified 5-19-2000) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known		
		Application No	09/710,579	
		Filing Date	November 10, 2000	
		First Named Inventor	Mark Alan Erickson et al.	
		Group Art Unit	2642 1743	
		Examiner Name	BING BUI Unassigned	
Sheet 2 of 9		Attorney Docket Number	001340.P083	

U.S. PATENT DOCUMENTS					
Examiner Initials*		U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication Cited Document MM-DD-YYYY	Filing date if Appropriate

FOREIGN PATENT DOCUMENTS						
Examiner Initials*		Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No
		Office or Country	Number	Date		

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
Examiner Initials*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), publisher, city and/or country where published (if title of the item known). (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s).	Translation? Yes/No
B ²	K. GIRIDHAR et al., IEEE Transactions on Communications, Vol. 45, No. 4, April 1997, "Nonlinear Techniques for the Joint Estimation of Cochannel Signals", pp 473-484.	No
B ²	LANG TONG et al., IEEE Transactions on Signal Processing, Vol. 47, No. 9, September 1999, "Joint Order Detection and Blind Channel Estimation by Least Squares Smoothing", pp 2345-2355	No
B ²	ERIC MOULINES et al., IEEE Transactions on Signal Processing, Vol. 43, No. 2, February 1995, "Subspace Methods for the Blind Identification of Multichannel FIR Filters", pp 516-525.	No
B ²	ALEXANDRA DUEL-HALLEN et al., IEEE Personal Communications, April 1995, "Multiuser Detection for CDMA Systems", pp 46-58.	No
Examiner	Date Considered 6/16/04	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute For Form 1449A/PTO
(Modified 5-19-2000)

Complete if Known

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application No

09/710,579

Filing Date

November 10, 2000

First Named Inventor

Mark Alan Erickson et al.

Group Art Unit

2642 4743

Examiner Name

BING BUI Unassigned

Sheet 7 of 9

Attorney Docket Number

001340.P083

U.S. PATENT DOCUMENTS

Examiner Initials*	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication Cited Document MM-DD-YYYY	Filing date if Appropriate

RECEIVED

MAY 07 2002

FOREIGN PATENT DOCUMENTS

Technology Center 2600

Examiner Initials*	Foreign Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No
Office or Country	Number	Date		

RECEIVED

MAY 7 2001

TC 1700

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Examiner Initials*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), publisher, city and/or country where published (if title of the item known), (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s).	Translation? Yes/No
Bv	D. GODARD, IEEE Transaction Communications, Vol. COM-28, No. 11, November 1980, "Self-Recovering Equalization and Carrier Tracking in Two-Dimensional Data Communication Systems", pp 1867-1875.	No
Bv	LENNART LJUNG, PTR Prentice Hall Information and System Sciences Series, "System Identification, Theory for the User", Second Edition, 1999, pp 79-139, 197-279, 317-360.	No
Bv	RAUL A. CASAS et al., Broadcasting & Cable, "Current Approaches to Blind Decision Feedback Equalization", August 1999, pp 1-52.	No
Bv	JOHN G. PROAKIS, McGraw Hill Series in Electrical and Computer Engineering, "Digital Communications, Third Edition, 1995, pp 267-286.	No

Examiner

Date Considered

6/16/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



+

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



+

Please type a plus sign (+) inside this box



PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute For Form 1449A/PTO
(Modified 5-19-2000)INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application No

09/710,579

Filing Date

November 10, 2000

First Named Inventor

Mark Alan Erickson et al.

Group Art Unit

2642 1748

Examiner Name

BING BUI Unassigned

Sheet 5 of 9

Attorney Docket Number

001340.P083

U.S. PATENT DOCUMENTS

Examiner Initials*	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication Cited Document MM-DD-YYYY	Filing date if Appropriate

RECEIVED

MAY 07 2002

Technology Center 2600

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Patent Document Office or Country Number Date	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No

RECEIVED

DEC 27 2001

TC 1700

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Examiner Initials*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), publisher, city and/or country where published (if title of the item known). (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s).	Translation? Yes/No
B~	J. CIOFFI, EEE379A, "Digital Communication: Signal Processing Class notes, Stanford University, pp 167-174, 194-197.	No
B~	ARTHUR GELB et al., The Analytic Sciences Corporation, "Applied Optimal Estimation", 1974, pp 156-179.	No
B~	SIMON HAYKIN, Prentice Hall Information and System Sciences Series, "Adaptive Filter Theory", Third Edition, 1996, pp 772-815.	No
B~	IAN R. PETERSEN et al., Control Engineering, "Robust Kalman Filtering for Signal and Systems with Large Uncertainties", 1999, pp 35-55.	No

Examiner

Date Considered

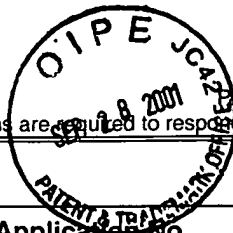
6/16/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box



Approved for use through 10/31/99. OMB 0651-0031

PTO/SB/08A (10-96)

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute For Form 1449A/PTO (Modified 5-19-2000) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known	
	Application No	09/710,579
	Filing Date	November 10, 2000
	First Named Inventor	Mark Alan Erickson et al.
	Group Art Unit	2642 1743
	Examiner Name	Bing Bui Unassigned
Sheet 3 of 9	Attorney Docket Number	001340.P083

U.S. PATENT DOCUMENTS

Examiner Initials*	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication Cited Document MM-DD-YYYY	Filing date if Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No
	Office or Country	Number	Date			

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

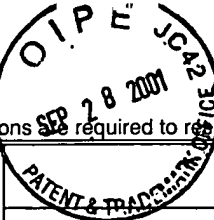
Examiner Initials*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), publisher, city and/or country where published (if title of the item known). (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),	Translation? Yes/No
B	UPAMANYU MADHOW et al., IEEE Transactions on Communications, Vol. 42, No. 12, December 1994, "MMSE Interference Suppression for Direct-Sequence Spread-Spectrum CDMA" pp 3178-3188	No
B	C. RICHARD JOHNSON, JR. et al., Proceedings of the IEEE, Vol. 86, No. 10, October 1998, "Blind Equalization Using the Constant Modulus Criterion: A Review", pp 1927-1950	No
B	P. CIBLAT et al., "Asymptotic Analysis of Blind Cyclic Correlation Based Symbol Rate Estimation", September 2000	No
B	DR. DENNIS J. RAUSCHMAYER, Macmillan Technology Series, "ADSL/VDSL Principles", 1999, pp 131-155.	No

Examiner <i>Bing Bui</i>	Date Considered 6/16/04
--------------------------	-------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute For Form 1449A/PTO
(Modified 5-19-2000)INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application No	09/710,579
Filing Date	November 10, 2000
First Named Inventor	Mark Alan Erickson et al.
Group Art Unit	2642 1743
Examiner Name	BING BUI Unassigned
Attorney Docket Number	001340.P083

Sheet 4 of 9

U.S. PATENT DOCUMENTS

Examiner Initials*	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication Cited Document MM-DD-YYYY	Filing date if Appropriate

RECEIVED

MAY 07 2002

Technology Center 2600

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No
	Office or Country Number Date			

RECEIVED

DEC 27 2001

TC 1700

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Examiner Initials*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), publisher, city and/or country where published (if title of the item known). (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s).	Translation? Yes/No
B2	LENNART LJUNG, Prentice-Hall Information and System Sciences Series, "System Identification, Theory for the User", 1987, pp 141-163, 239-263.	No
B2	YAAKOV BAR-SHALOM et al., Artech House, Inc., "Estimation and Tracking: Principles, Techniques, and Software", 1993, pp 450-465.	No
B2	International Telecommunication Union, ITU-T Telecommunication Standardization Sector of ITU, G.810, "Definitions and Terminology for Synchronization Networks", August 1996, pp 1-20	No
B2	ADSL Forum Technical Report TR-024 for Network Management Working Group, "DMT Line Code Specific MIB", June 1999, pp 1-7	No

Examiner

Date Considered

6/16/04

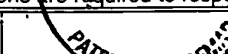
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitution For Form 1449A/PTO (Modified 5-19-2000) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known	
	Application No		09/710,579	
	Filing Date		November 10, 2000	
	First Named Inventor		Mark Alan Erickson et al.	
	Group Art Unit		2642 1745	
	Examiner Name		BING BUI Unassigned	
Sheet 8 of 9	Attorney Docket Number		001340.P083	

[illegible]

Examiner Initials*	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Translation? Yes/No
	Office or Country	Number	Date			

Examiner Initials*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), publisher, city and/or country where published (if title of the item known). (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),	Translation? Yes/No
B ²	CRAIG MICHAEL TEUSCHER, Dissertation submitted as requirement for the degree of Dr. of Philosophy in Engineering-Electrical Engineering and Computer Sciences, "Low Power Receiver Design for Portable RF Applications: Design and Implementation of an Adaptive Multiuser Detector for an Indoor, Wideband CDMA Application, Fall 1998, pp 37, 43-52	No
B ²	CLAES TIDESTAV et al., Signals and Systems, Uppsala University, "Realizable MIMO Decision Feedback Equalizers", International Conference on Acoustics, Speech, and Signal Processing (ICASSP99) March 1999, Phoenix, AZ, V.5, pp 2591-2594.	No

Examiner Wm. J. Bari

Date Considered

6	16	04
---	----	----

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

SEP 28 2001
PATENT & TRADE MARKS

Complete if Known

Application No

09/710,579

Filing Date

November 10, 2000

First Named Inventor

Mark Alan Erickson et al.

Group Art Unit

2642 ~~1743~~ →

Examiner Name

BING BUI Unassigned

Sheet 9 of 9

Attorney Docket Number

001340.P083

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*		Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No
		Office or Country	Number	Date			

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Examiner Initials*		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), publisher, city and/or country where published (if title of the item known). (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),	Translation? Yes/No
B ²		K. SAM SHANMUGAN et al., John Wiley & Sons, "Random Signals, Detection, Estimation and Data Analysis", 1988, pp 341-377.	No
B ²		HARRY L. VAN TREES, Massachusetts Institute of Technology, "Detection, Estimation, and Modulation Theory", 1968, pp 19-163, 239-418.	

Examiner

Date Considered

6	16	04
---	----	----


TC 1700

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

conformance and not considered. Include copy of this form with next communication to applicant.

+

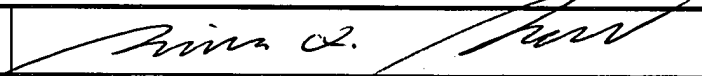
Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 001340.P083	Application Number: 09/710,579
Page 1 of 2		First Named Inventor: Mark Alan Erickson, et al..	RECEIVED MAR 04 2002 TC 1700
		Filing Date: November 10, 2000	

U.S. PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
B ²		US4669113		Ash, et al.	5/26/1987	
B ²		US5063351		Goldthorp, et al.	11/5/1991	
B ²		US5343461		Barton, et al.	8/30/1994	
B ²		US5858151		Boudy	12/8/1998	
B ²		US5926538		Deryugin, et al.	7/20/1999	
B ²		US6160790		Bremer	12/12/2000	

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				

Examiner Signature		Date Considered	6/16/04
-----------------------	---	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 001340.P083	Application Number: 09/710,579
Pg. 2 of 2		First Named Inventor: Mark Alan Erickson, et al.	RECEIVED MAR 04 2002
		Filing Date: November 10, 2000	
OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, city and/or country where published	Translation ²
B ²		PCT Search Report, PCT/US00/42097, 10 November 2000, Date of Mailing: 26 June 2001 (5 pgs.)	
B ²		PCT Search Report, PCT/US00/30859, 10 November 2000, Date of Mailing: 27 March 2001 (5 pgs.)	
B ²		PCT Search Report, PCT/US00/30858, 10 November 2000, Date of Mailing: 16 March 2001 (7 pgs.)	
B ²		PCT Search Report, PCT/US00/30887, 11 November 1999, Date of Mailing: 09 August 2001 (24 pgs.)	
B ²		PCT Search Report, PCT/US00/30967, 10 November 2000, Date of Mailing: 24 January 2001 (7 pgs.)	
B ²		PCT Search Report, PCT/US00/31026, 10 November 2000, Date of Mailing: 22 January 2001 (7 pgs.)	
B ²		HONIG, M.L. et al, "Suppression of Near- and Far-End Crosstalk by Linear Pre- and Post-Filtering", Selected Areas in Communications, IEEE Journal on. Vol 10 Issue 3, April 1992, pages 614-629, entire document	

Examiner Signature	<i>Mark A. Erickson</i>	Date Considered	6/16/04
-----------------------	-------------------------	--------------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



2000
Jackson
2
APR 14 2004
Technology Center 2600

Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/710,579
				Filing Date	November 10, 2000
				First Named Inventor	Mark Alan Erickson
				Art Unit	1743 2642
				Examiner Name	Unknown BING-BU
Sheet	3	of	3	Attorney Docket Number	6515P031

RECEIVED

APR 14 2004

Technology Center 2600

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
B ²		PETERSEN, BRENT R., et al., "Minimum Mean Square Equalization in Cyclostationary and Stationary Interference-Analysis and Subscriber Line Calculations", Student Member, IEEE Journal, Vol. 9, No. 6, August 1991, pp. 11.		
B ²		VALENTI, CRAIG F., Bellcore, "Cable Crosstalk Parameters and Models", ANSI Contribution TIE1.4/97-302 Technical Subcommittee Working Group Members, Spectral Compatibility, Morristown, NJ 07960, USA, September 22, 1997, pp. 8.		

Examiner Signature	<i>Paul A. [Signature]</i>	Date Considered	6/16/04
--------------------	----------------------------	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Applicant's unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.